

Title (en)

DRIVE SYSTEM COMPRISING A CONVERTER AND AN INVERTER FOR SUPPLYING POWER TO AN ELECTRIC MOTOR

Title (de)

ANTRIEBSSYSTEM, AUFWEISEND EINEN WANDLER UND EINEN WECHSELRICHTER ZUR SPEISUNG EINES ELEKTROMOTORS

Title (fr)

SYSTÈME D'ENTRAÎNEMENT, PRÉSENTANT UN CONVERTISSEUR ET UN ONDULEUR POUR L'ALIMENTATION D'UN MOTEUR ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2020182339A1] The invention relates to a drive system comprising a converter, in particular an AC/DC converter, and an inverter for supplying power to an electric motor which is electrically connected to the AC voltage-side terminal of the inverter, wherein: the DC voltage-side terminal of the inverter is connected to the DC voltage-side terminal of the converter; a first means for detecting the voltage applied to the AC voltage-side terminal of the converter is connected to an input of a first analogue-to-digital converter of a signal electronics system by means of a first signal line; a second means for detecting a voltage, in particular a three-phase voltage, applied to a filter can be connected to an input of a second analogue-to-digital converter of the signal electronics system by means of a second signal line; the signal electronics system comprises an actuator for the semiconductor switch of the converter; the output of the first analogue-to-digital converter and the output of the second analogue-to-digital converter is connected to a comparison means of the signal electronics system; and a switching means of the signal electronics system adjusts the operating mode of the actuator of the semiconductor switches of the converter depending on the output signal of the comparison means.

IPC 8 full level

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